

Coating composition consisting of at least four components, its preparation and use

Abstract

A coating composition consisting of at least four components, comprising a component (I) comprising at least one oligomeric or polymeric resin containing functional groups which react with isocyanate groups, as binder (A), a component (II) comprising at least one polyisocyanate as crosslinking agent (F), a component (III) which comprises water and is substantially free from acrylate copolymers (A) dispersed or dissolved therein, and a finely divided solid component (IV) which comprises at least one water-soluble or -dispersible finely divided solid acrylate copolymer (A); and also a process for producing a coating from a coating composition consisting of at least four components, which involves (1) mixing at least one component (I) with at least one component (II), to give the mixture (I/II); (2) mixing at least one component (III) with at least one finely divided solid component (IV), to give the mixture (III/IV); and then either (3) dispersing and/or dissolving the mixture (I/II) in the mixture (III/IV) or (4) dispersing and/or dissolving the mixture (III/IV) in the mixture (I/II); applying the resulting mixture (I/II/III/IV) to the surface that is to be coated, and curing the wet film.

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